Supplementary figures and tables

Figure S1. p38α, AMPKα1, and JNK are not responsible for Hsp27-induced cell migration and invasion

(A-B) Transwell assays were performed when SK-Hep1-Hsp27 cells were preincubated with inhibitors of p38α, AMPKα1, or JNK signaling (magnification, ×200).

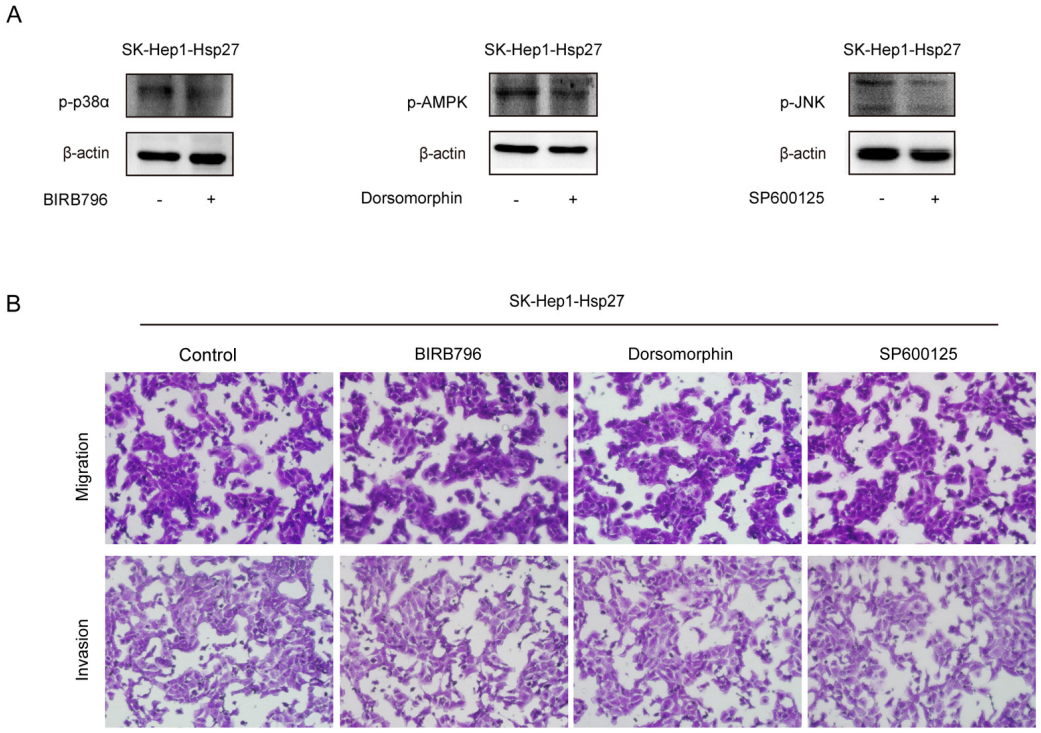

Figure S2. Inhibitory effect of Akt siRNA on migration and invasion of SK-Hep1-Hsp 27 and MHCC97H cells

(A-B) SK-Hep1-Hsp 27 and MHCC97H cells were treated with Akt siRNA. Migration and matrigel invasion assays were done for SK-Hep1-Hsp 27 and MHCC97H cells following treatment with Akt siRNA (magnification, ×200).

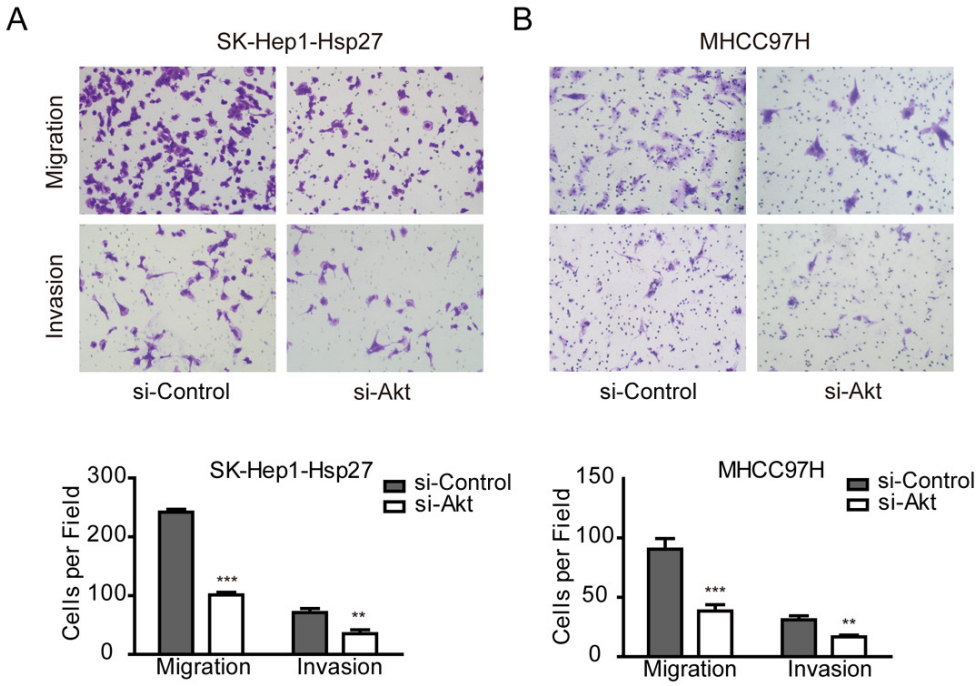

Figure S3. Effect of Akt inhibitor on candidate genes.

(A-C) SK-Hep1-Hsp27 and MHCC97H cells were treated with Akt inhibitor LY294002. Quantitative real-time PCR was performed to evaluate the relative expression of ITGB3, EPHB2 and ETV4 in the indicated cells.

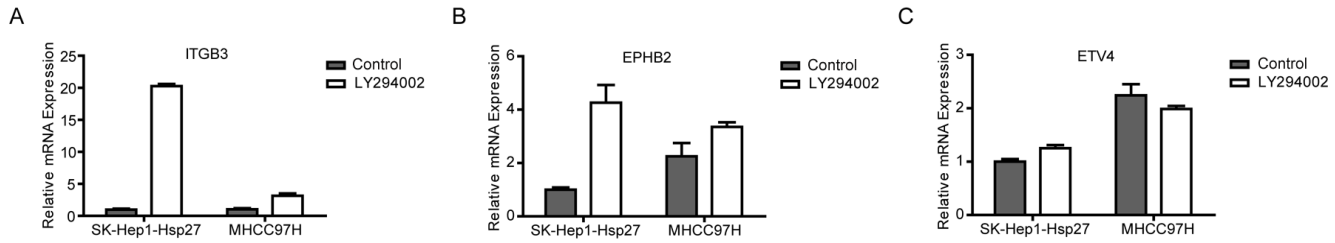

Table S1. Primers used in quantitative real-time PCR

Gene	Forward(5'-3')	Reverse (5'-3')
Hsp27	ACGGTCAAGACCAAGGATGG	AGGGAGGAGGAAACTTGGT
ITGA7	ATTTCCCTTGCATTCGCTGG	CGTCCAGATTGAAGGCGACA
ITGB3	CATCACCATCCACGACCGAA	GTGCCCCGGTACGTGATATT
MMP2	CTCCAATCCCACCAACCCTC	CCAGTGCCCTCTTGAGACAG
EPHB2	ACATGCAACTCAAACGACGG	GCATGAATCTCCCAAGCCCT
ETV4	TGAGAAACCTCTGCGACCA	TGGGCATTTGTTGGGTCAT
β-actin	TTGTTACAGGAAGTCCCTTGCC	ATGCTATCACCTCCCCTGTGTG

Table S2.siRNAs of target genes

siRNA	Forward(5'-3')	Reverse (5'-3')
hs-ITGA7-si	CAGCAGCUAUAGCCCUACUdTdT	AGUAGGGCUAUAGCUGCUGdTdT
hs-MMP2-si	CCACAGCCAACUACGAUGAdTdT	UCAUCGUAGUUGGCUGUGGdTdT